IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kleiman et al. Atty Docket No.: FLORA.1100

TITLE: AN	FIVIRAL COMPO	SITION AND TREATMENT ME	ТНОО
		CERTIFICATE OF MAILING	
l hereby certify il as First Class ma Alexandria, VA 2	il in an envelope address	being deposited with the United States Poz- ed to "Mail Stop: Amendment, Commission	tal Service with sufficient postag er for Patents, P.O. Box 1450,
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concentration tested

I neceived a Basel-otro of Science in Chemistry from Arizona State University in May of 1987. I have been employed by International Flora Technologies, Inc., (Technical Department) since 2003 where I serve as a chemist. Previously, I was employed at Safety-Kleen Systems, Inc., where I served as Compliance Manager from 2002-2003. I have also worked in various technical and managerial capacities at Onys Pavironmental Services (Salesco Systems U.S., Inc.), ADFlex Solutions Inc., and Revion Consumer Products Corporation. I have over fortners years of

experience in analytical chemistry, environmental, health, and safety management. I am a Certified Hazardous Material Manager, and a member of the American Chemical Society.

I have undertaken an extensive review of United States Patent Application Serial No. 09/899/432. The investion referrenced therein is discreted to methods for treating vinni-induced and inflammantory diseases utilizing topical compositions that include monounsaturated long chain alcohols in combination with long chain fatty acid salts and finty acid essers. This combination results in a combination with long chain fatty acid salts and finty acid essers. This combination results in a formatic increase in antivitual extirty, as shown in Tables 2 and 3 of the application as filled. Specifically, Tables 2 and 3 show the relative plaque growth 48 hour after the introduction of this combination (in various concentrations) into wells containing a sandard HSV-1 control (strain old) (see Table 2) and the asyclovir resistant HSV-1 (ternia 15671) (see Table 3). What is surprising is that this combination was effective against the treatment resistant strain, and that it required lower ICQ concentrations than the non-resistant strain. Moreover, the combination

Further, the cellular proliferation of cells exposed to the Herpes Simplex Type I. Virus treated with the present invention showed up to a 238% increase over untreated (or control) cells in a microculture terranolium assay, as shown in Table I of the application as filed. Thus, the combination of monoursaturated long chain alcohols with long chain fatty acid salts and fatty acid enter creates unexceed evolvosities or profile.

demonstrated no cytotoxicity up to, and including, concentrations of 250 mg/ml, the highest

The cytotoxicity profiles of long chain alcohols, salts of fatty acids, and mixed fatty acid exters alone is different from that of the combination. While it is known that long chain alcohols and fatty acid exters alone may increase antiviral activity, what is not known and could not have been predicted is the combination of long chain alcohols, salts of fatty acids and mixed exters would dramatically increase antiviral activity. Upon reviewing United States Patent Application Serial No. 097899.412, based on the totality of my skill and experience, I am surprised and would not have expected the significant increase in autiviral activity of the combination of long chain alcohols, salts

of fatty acids and mixed esters as disclosed in United States Patent Application Serial No. 09/899.432.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I further declare that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that much willful and false statements may jeopardize the validity of the subject patent application or any patent issued thereon.

I further declare that I have received no special compensation or consideration for making this affidavit, nor have I been in any way told, either directly or by 'implication or inference, by anyone that my comployment by International Flora Technologies, Inc., or my professional advancement or other matters of personal or professional interest to me depend in any way on whether or not I make this affidavit or the content thereof. I further declare that I make this affidavit or my own free will and choice without any duress or influence of any kind, believing fully in the truth of the statements made by myself herein.

Mey

1, <u>CAROL HYDES</u>, a Notary Public in and for the County and State aforesaid, do hereby certify that <u>David Ashley</u>, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledge that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and Notary Seal this 19 th day of Qoil 2006.

My commission expires on Nov. 29, 2007

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